

Product datasheet for **TA328046**

CTIP2 (BCL11B) Rat Monoclonal Antibody [Clone ID: 25B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	25B6
Applications:	IF, WB
Recommended Dilution:	WB, IF, CHIP, IHC
Reactivity:	Human, Mouse, Zebrafish
Host:	Rat
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human Bcl11b
Formulation:	This antibody is provided in Hepes-buffered solution, pH 7.5, 0.02% Na ₂ S ₂ O ₃ .
Purification:	Protein G affinity purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	96 kD
Gene Name:	B-cell CLL/lymphoma 11B
Database Link:	NP_612808 Entrez Gene 58208 Mouse Entrez Gene 64919 Human Q9C0K0
Background:	The transcription factor Bcl11b is expressed in thymus, mainly T cells. It is indispensable for T lineage development. When Bcl11b was deleted, T cells from all developmental stages acquired NK cell properties and concomitantly lost or decreased T cell-associated gene expression. These induced T-to-natural killer (ITNK) cells, which were morphologically and genetically similar to conventional NK cells, killed tumor cells in vitro, and effectively prevented tumor metastasis in vivo. Therefore, ITNKs may represent a new cell source for cell-based therapies.
Synonyms:	ATL1; ATL1-alpha; ATL1-beta; ATL1-delta; ATL1-gamma; CTIP-2; CTIP2; hRIT1-alpha; RIT1; ZNF856B



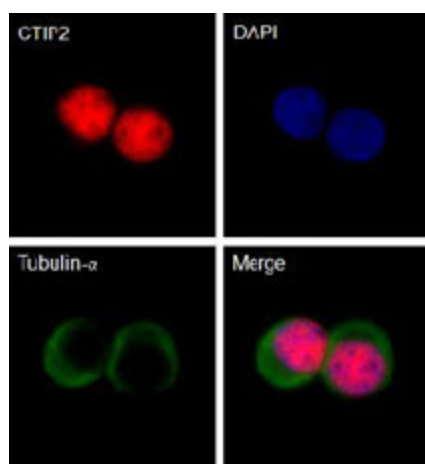
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Protein Families: Druggable Genome

Product images:



Jurkat cell extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with anti-CTIP2 antibody (clone 25B6). Proteins were visualized using a goat anti-rat-IgG secondary conjugated to HRP and chemiluminescence detection.



Jurkat cells were stained with anti-bcl11b, clone 25B6 (1:200 dilution), and tubulin- α , clone TU-01, followed by DyLight™ 549 conjugated anti-rat IgG and DyLight™ 488 conjugated anti-mouse IgG. Nuclei are stained with DAPI.